

XP-002425006

(C) WPI / Thomson

AN - 2005-186487 [20]
AP - JP20030202343 20030728
PR - JP20030202343 20030728
TI - Water-in-oil emulsion composition for use as cosmetic liquid or
sunscreen cream, contains cross-linked polyether modified silicone,
water-soluble L-ascorbic acid derivative, organic acid salt and
silicone oil
IW - WATER OIL EMULSION COMPOSITION COSMETIC LIQUID SUNSCREEN CREAM CONTAIN
CROSS LINK POLYETHER MODIFIED SILICONE SOLUBLE ASCORBIC ACID
DERIVATIVE ORGANIC SALT
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PN - JP2005041809 A 20050217 DW200520
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IC - A61K7/00; A61K7/42
DC - A25 A26 A96 D21 E11 E13
AB - NOVELTY :

Water-in-oil emulsion composition contains (a) cross-linked polyether
modified silicone (1), (b) water-soluble L-ascorbic acid derivative,
(c) organic acid salt and (d) silicone oil, as essential components.

- DETAILED DESCRIPTION :

[Image] (1)

l : 3-20;

m : 10-200; and

n : 1-10.

The structural portion cross-linked by polyoxyethylene exist in
intramolecular arbitrary locations.

- USE :

As cosmetics.

- ADVANTAGE :

The sticky feeling of water-soluble L-ascorbic acid derivative is
reduced and water-in-oil emulsified cosmetics having excellent
stability is produced.

- ORGANIC CHEMISTRY :

Preferred Amount: The composition contains (a) cross-linked polyether
modified silicone (in wt.%) (0.1-20, preferably 0.5-10), (b)
water-soluble L-ascorbic acid derivative (0.1-10, preferably 1-8), (c)
organic acid salt (0.1-10, preferably 0.5-6), and (d) silicone oil
(3-50, preferably 5-20).

Preferred Components: The water-soluble L-ascorbic acid derivative is
L-ascorbic acid magnesium phosphate, L-ascorbic acid sodium phosphate
or L-ascorbic acid sodium sulfate. The organic acid salt is sodium
citrate, potassium citrate, magnesium sulfate or sodium chloride. The
silicone oil is cyclomethicone, dimethicone (1-30 CS) or methylphenyl
polysiloxane.

- EXAMPLE :

Cosmetic liquid was prepared by compounding (in wt.%) L-ascorbic acid magnesium phosphate (1), sodium citrate (1), glycerin (10), methyl paraben (quantity sufficient (Q.S.)), KSG-210 (5), KSG-16(10), dimethicone (5), cyclomethicone (10), fragrance (Q.S.) and purified water (remaining quantity). The cosmetic liquid was free from sticky feeling and had excellent stability.